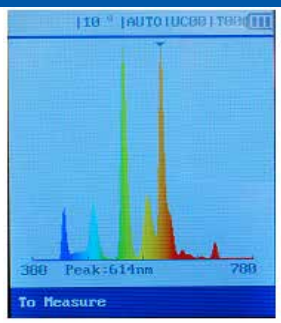
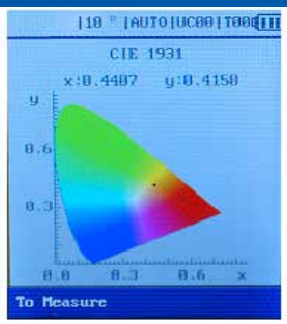
ILT350
Illuminance Spectrophotometer





Specifications:

- Sony CCD Linear Image Detector with 16 bit A/D resolution
- Measurement Range: 380- 780 nm
- Lux Measurement Range: 20-100,000 lux
- PAR Measurement Range: 0.3~1500 umol/m2 *s
- Irradiance Measurement Range: 0.1 W/m2~500 W/m2
- Input optic: 12 mm diameter Cosine Receptor
- Temperature: 0-40 Deg C.
- Size: 160 x 75 x 43 mm
- Weight: 260 g

Features:

- **3.5" Full Color Display**
- **10 full color displays for easy data analysis including: Lux, fc, CCT, CRI, CIE1931 color spectrum & more**
- **NIST traceable ISO17025 accredited calibration**
- **Hand-held, compact, ergonomic design**
- **Data storage for up to 100 readings**
- **Windows XP, Windows 7 and Windows 8 compatible software**
- **Easy to use internal, data capture software**
- **Rechargeable battery lasts up to 6 hours**

Description:

The ILT350 Illuminance Spectrophotometer is a low cost, easy-to-use lux (fc) and color measurement spectrophotometer with N.I.S.T. Traceable and ISO 17025 accredited calibration.

The device comes with a built in 12 mm diameter cosine correcting receptor and magnetic protective cover.

The ILT350 has three measurement speeds including Fast (0.5 S), Slow (2.5 S) and Auto (0.5 – 27 S) depending on light intensities. Data is provided in 1 nm increments.

The spectral bandwidth is approx 2.5 nm (half bandwidth) with +/- 0.3 nm wavelength accuracy.

The internal memory can store up to 100 files and export data into Excel/Work formats.

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InternationalLight TECHNOLOGIES

ISO 9001 / ISO/IEC 17025

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ILT**350** Illuminance Spectrophotometer

Lux, PPFD, PAR, Bilirubin & VIS Light Source Testing

Light Box Calibration - Lamp Quality and Maintenance:

For testing numerous types of light booths and color viewing lamps including D75/D65/D50, Fluorescent, Halogen, TL84/83, SPX35, and more. Many standards state specifications with regard to color quality, light intensity, evenness of illumination, and ambient conditions as differences in any of these conditions can affect color appearance. The ILT350 can test for lamp quality (CCT, CRI, Lux, Purity, spectrum etc.), ambient levels, as well as determine when light booths need maintenance (cleaning and lamp replacement).

LED Billboard Maintenance, Construction & Environmental Pollution:

Whether testing LED uniformity, color and intensity during installation and maintenance, or testing total output and color temperature for environmental impact, the ILT350's portability, single button operation and built in display make the ILT350 the ideal tool.

Bili Blanket and Blue Light Lamp Testing:

Simple one button operation for testing the irradiance in W/cm^2. Easy to view numerical and graphical data on a large colorful display. Changes between screens with on screen control buttons. Excellent option for testing the differences between LED types as well as comparing LED light sources to traditional lamp based systems. Spectral range can be programmed to end users unique requirements (i.e., 425-525, 400-500, 380-575 nm, etc)

Plant Growth Spectrometer:

Measures PPDF, PAR and irradiance for testing light output and spectrum of plant growth lamps. Offers direct readout in umol/m2*s as well as W/m2. Readings can be saved for viewing on a PC as well as for internally with an option for comparisons to a baseline. Programmable spectral ranges for Blue, Red and Far Red can be used testing for Red/Blue ratios etc.

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